

Amendments to the Claims:

1.-19. (Canceled)

20. (Previously Presented) A stator of a rotary electric machine, comprising:

a stator core having a plurality of slots;

a poly-phase winding disposed in the slots comprising a plurality of sub-winding sets, each sub-winding set comprising a plurality of phase windings including a plurality of straight portions disposed in the slots and a plurality of turn portions connecting the straight portions, the phase windings being made of a continuous wire providing an individual coil on the stator core; and

connecting portions provided on an outside of the stator core connecting between the phase windings in the same phase, wherein each of the turn portions connects a pair of straight portions that are disposed in the slots spaced apart by a predetermined magnetic pole pitch and each straight portion is disposed in an adjacent position in its corresponding slot, and the turn portions are formed so that the straight portions disposed radially adjacent in the same slot are connected to turn portions extending in opposite directions, wherein the turn portion has a center portion twisted in a radial direction to provide a radial step and a pair of half portions shifted a predetermined radial distance at the center portion, and wherein the half portion of the one of the phase windings located on a radial inner layer crosses the half portion of the other one of the phase windings located on a radial outer layer.